

In re Appln. of Stephan et al.

Application No. 10/573,103

Response to Final Office Action of April 9, 2010 and RCE

**Amendments to the Claims**

This listing of claims will replace all prior versions and listings of claims in the application.

Claim 1 (currently amended): A method for minimizing a bandwidth required for a transfer the transfers of communication network administration information, said information relating to objects pertaining to hardware, software or network operation elements, catalogued in an administration information base and with each of which is associated a formal language specification, comprising the steps of:

- generating on [[the]] a basis of [[said]] a formal language specification for each object, a pair of words for which [[the]] a value of first word pertains to an indication of the object and [[the]] a value of second word pertains to an information length of the object;
- constructing a template comprising an ordered set of pairs of words generated and an identifier of said template, said template indicating an ordered string of information to be sent;
- exporting said template; and
- progressively exporting the ordered string of information corresponding to said template, said ordered string of information corresponding to said communication network administration information relating to said object.

Claim 2 (previously presented): The method as claimed in claim 1, further comprising the steps of:

- traversing a tree of the administration information base each node of which is associated with an object;
- testing at each node whether the object is of scalar or table type;
- constructing the template by appending the word pair generated to the template if the object is of scalar type;
- constructing another so-called table template if the object is of table type for the objects of the table.

Claim 3 (previously presented): The method as claimed in claim 1, further comprising the step of constructing a configuration template comprising the pairs of words generated for objects with modifiable access.

Claim 4 (currently amended): A method of transmitting communication network administration information, said information relating to objects pertaining to hardware, software or network operation elements, catalogued in an administration information base and with each of which is associated a formal language specification, comprising the steps of:

- obtaining a template comprising, on the one hand, an identifier of said template and, on the other hand, an ordered set of pairs of words, each pair of words being generated for one of said objects on [[the]] a basis of [[the]] a formal language specification associated with said object and comprising a first word having a value pertaining to an indication of said object and a second word having a value pertaining to an information length of said object;
- exporting said template; and
- progressively exporting sending an ordered string of information corresponding to said template, said ordered string of information corresponding to said communication network administration information relating to said object.

Claim 5 (canceled).

Claim 6 (currently amended): A system for minimizing a bandwidth required for a transfer the transfers of communication network administration information, said information relating to objects pertaining to hardware, software or network operation elements, catalogued in an administration information base and with each of which is associated a formal language specification, said system comprising a translator module designed:

- to generate on [[the]] a basis of [[said]] a formal language specification for each object, a pair of words [[the]] a value of whose first word pertains to an indication of the object and [[the]] a value of whose second word pertains to an information length of the object; [[and]]
- to generate a template comprising an ordered set of pairs of words and an identifier, said template indicating an ordered string of information to be sent;
- to export said template; and
- to progressively export the ordered string of information corresponding to said template, said ordered string of information corresponding to said communication network administration information relating to said object.

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Claim 7 (previously presented): The system as claimed in claim 6, wherein the translator module is designed to traverse a tree of the administration information base each node of which is associated with an object, to test at each node whether the object is of scalar or table type and to construct the template by appending the word pair generated to the template if the object is of scalar type or construct another so-called table template if the object is of table type for the objects of the table.

Claim 8 (previously presented): The system as claimed in claim 6 wherein the translator module is designed to construct in addition a configuration template comprising the pairs of words generated for objects with modifiable access.

Claim 9 (previously presented): The system as claimed in claim 6, further comprising a supervisor module designed to collect measurements and an exportation module designed to transmit at least one ticket of data pertaining to these measurements to a server.

Claim 10 (previously presented): The system as claimed in claim 9, wherein said exportation module is designed to transmit:

- a data ticket comprising a reference to a template,
- preceded, in the transmission, by the template referenced in said data ticket.

Claims 11–14 (canceled).

Claim 15 (currently amended): A computer-readable memory having stored thereon a program executable by a processor for performing a method, the program including  
an exportation module intended for a system for minimizing a bandwidth required for  
a transfer ~~the transfers~~ of communication network administration information, said  
information relating to objects pertaining to hardware, software or network operation  
elements, catalogued in an administration information base and with each of which is  
associated a formal language specification, said system comprising  
on the one hand a translator module designed to generate a template  
comprising

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an ordered set of pairs of words and  
an identifier and

on the other hand a supervisor module designed to carry out measurements,  
wherein said exportation module comprises means for transmitting at least one ticket  
of data pertaining to measurements carried out by said supervisor module to a server, said  
ticket of data being according to said template and data being related to said communication  
network administration information.

Claim 16 (previously presented): The computer-readable memory as claimed in claim 15,  
wherein said exportation module is designed to transmit:

- a data ticket comprising a reference to a template,
- preceded, in the transmission, by the template referenced in said data ticket.